

## MEDI90051 Ventricular Function

<b>Credit Points:</b>	12.5
<b>Level:</b>	9 (Graduate/Postgraduate)
<b>Dates &amp; Locations:</b>	2016, Hawthorn This subject commences in the following study period/s: Semester 1, Hawthorn - Taught online/distance. Semester 2, Hawthorn - Taught online/distance. Course materials will be distributed via mail to students. Administration of the course is via e-mail. The course is 1 semester full-time or 2 semesters part-time via distance education. A semester duration is 12 weeks. For students completing full-time there will be four subjects per semester, and for part-time, two subjects per semester. Subjects must be taken in sequence.
<b>Time Commitment:</b>	Contact Hours: Off-campus (online) delivery Total Time Commitment: 170 hours per 12.5 credit point subject
<b>Prerequisites:</b>	To enrol in this subject, you must be admitted in either the Graduate Certificate, Graduate Diploma in Clinical Ultrasound or Master of Clinical Ultrasound. This subject is not available for students admitted in any other courses.
<b>Corequisites:</b>	None
<b>Recommended Background Knowledge:</b>	None
<b>Non Allowed Subjects:</b>	None
<b>Core Participation Requirements:</b>	For the purposes of considering requests for Reasonable Adjustments under the Disability Standards for Education (Commonwealth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this course are articulated in the Course Overview, Objectives and Generic Skills sections of this entry. It is University policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact on meeting the requirements of this course are encouraged to discuss this matter with the Student Equity and Disability Support Team: <a href="http://www.services.unimelb.edu.au/disability/">http://www.services.unimelb.edu.au/disability/</a>
<b>Coordinator:</b>	Prof Colin Royse
<b>Contact:</b>	<b>Ultrasound Education Group</b> Currently enrolled students: # General information: <a href="http://www.commercial.unimelb.edu.au/pgcclinicalultrasound/">http://www.commercial.unimelb.edu.au/pgcclinicalultrasound/</a> ( <a href="http://www.commercial.unimelb.edu.au/pgcclinicalultrasound/">http://www.commercial.unimelb.edu.au/pgcclinicalultrasound/</a> ) # Email: <a href="mailto:support@heartweb.com">support@heartweb.com</a> ( <a href="mailto:support@heartweb.com">mailto:support@heartweb.com</a> )  Future students: # Further information: <a href="http://www.heartweb.com.au/">http://www.heartweb.com.au/</a> ( <a href="http://www.heartweb.com.au/">http://www.heartweb.com.au/</a> ) # Email: <a href="mailto:support@heartweb.com">support@heartweb.com</a> ( <a href="mailto:support@heartweb.com">mailto:support@heartweb.com</a> ) # Phone: +61 3 8344 5673
<b>Subject Overview:</b>	This subject will expand the knowledge of transthoracic echocardiography by learning pathophysiology and assessment of ventricular function, including in diastolic function. Topics include: 1. The Cardiac Cycle 2. Left Ventricular Systolic Function Pathophysiology 3. Evaluation of Left Ventricular Function 4. Right Ventricular Systolic Function 5. Right Ventricular Function Evaluation 6. Atrial Function and Pressure Estimation 7. Diastolic Function Pathophysiology

	8. Assessment of Diastolic Function 9. Management of Diastolic Function 10. HEARTscan Studies
<b>Learning Outcomes:</b>	The completion of the subject, students should: <ol style="list-style-type: none"> <li>1. Understand the cardiac cycle</li> <li>2. Evaluation of left ventricular function</li> <li>3. Evaluation of right ventricular systolic function</li> <li>4. Understand diastolic function pathophysiology and assessment</li> <li>5. Complete 40 case reviews</li> </ol>
<b>Assessment:</b>	1. 80% of assessment: one open- book multiple-choice examination consisting of 50 questions. Students will have 1 week to complete the examination during the assessment period at the end of the semester. 2. 20% of assessment: completion of self assessment modules at the end of each tutorial, progressively through the semester. These are completed in the workbooks issued to students and it is a requirement that these workbooks are signed and returned for assessment.
<b>Prescribed Texts:</b>	Royse C, Donnan G, Royse A. Pocket Guide to Perioperative and Critical Care Echocardiography. 2006; McGraw-Hills
<b>Recommended Texts:</b>	Other materials will be provided as a package of readings, PowerPoint presentations and case studies.
<b>Breadth Options:</b>	This subject is not available as a breadth subject.
<b>Fees Information:</b>	Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>
<b>Generic Skills:</b>	# Enhance time utilisation # Improve written skills and problem solving skill  All students are expected to have access to a computer that can operate a Windows platform or simulation.
<b>Links to further information:</b>	<a href="http://www.heartweb.com.au">http://www.heartweb.com.au</a>
<b>Notes:</b>	This subject is available to part-time and full-time students. This subject is not available to Commonwealth Supported students. This subject is not available as breadth. Administration is via e-mail.
<b>Related Course(s):</b>	Graduate Certificate in Clinical Ultrasound Graduate Diploma in Clinical Ultrasound Master of Clinical Ultrasound Postgraduate Certificate in Clinical Ultrasound Postgraduate Diploma in Clinical Ultrasound